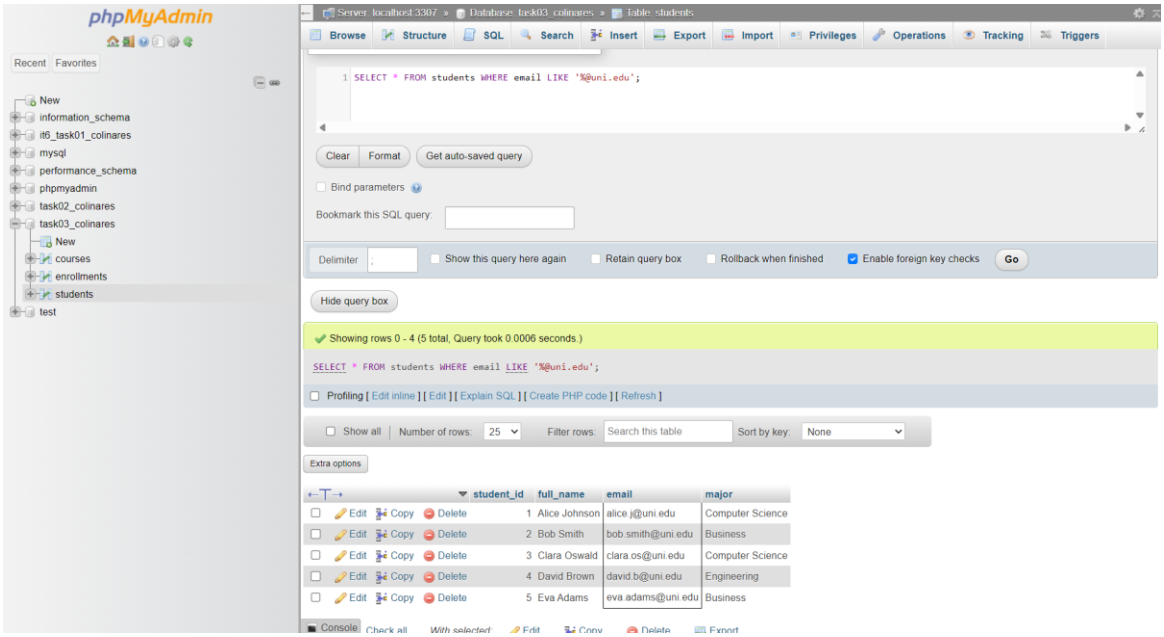
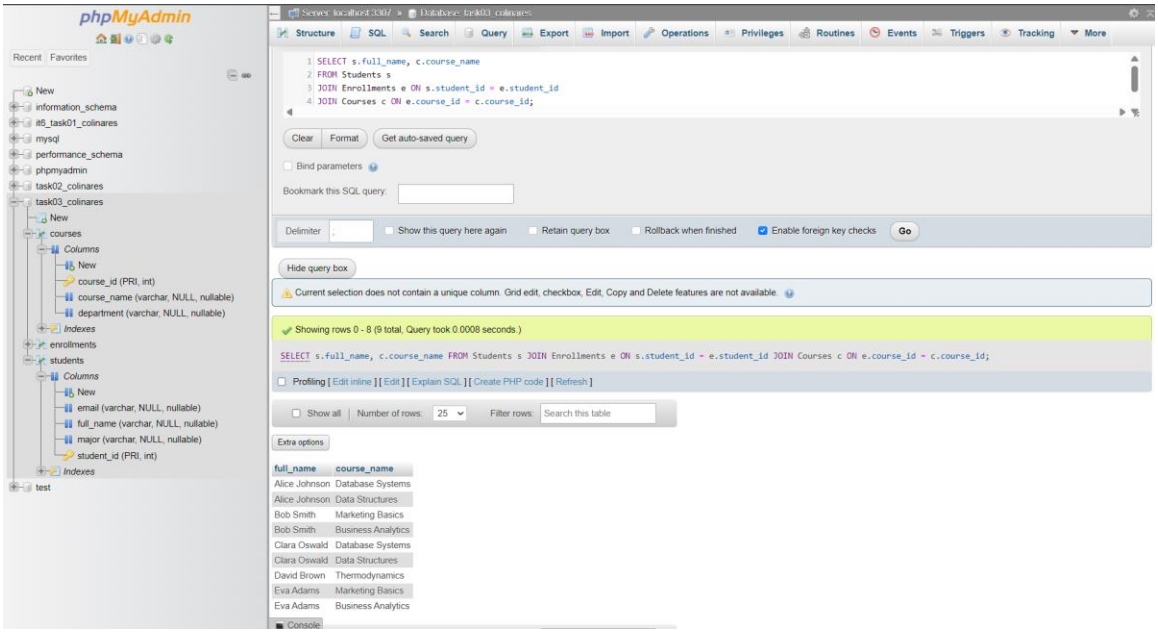
Task 03

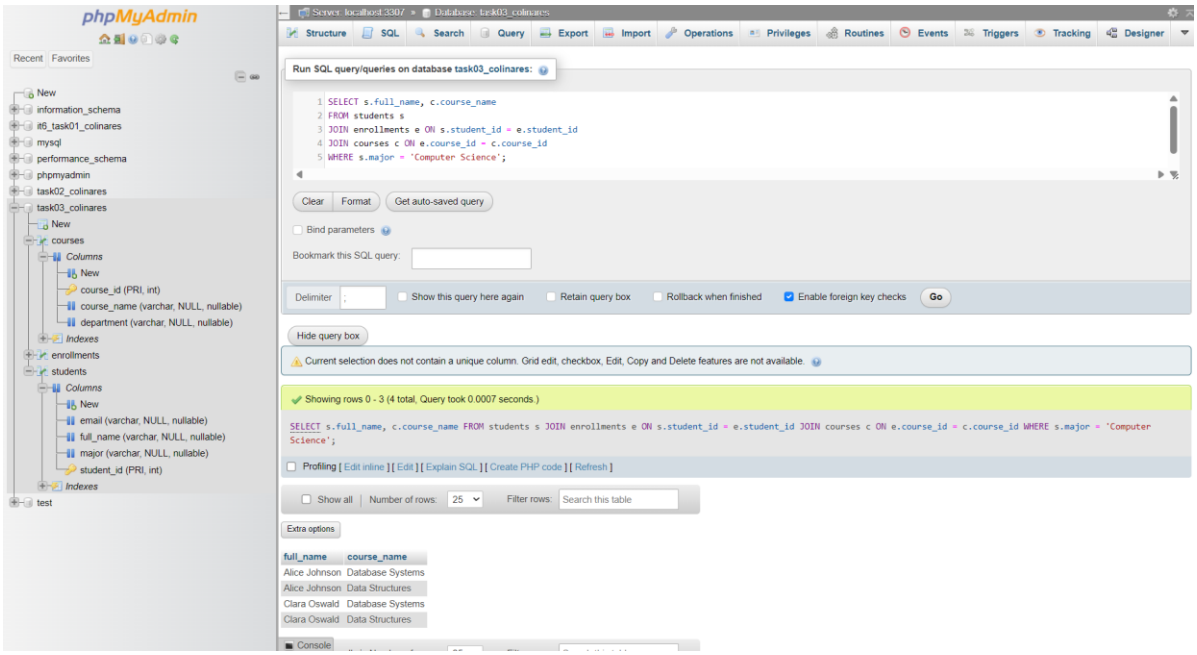
1.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: students
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
SELECT * FROM students WHERE email LIKE '%@uni.edu';
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Showing rows 0 - 4 (5 total, Query took 0.0006 seconds.)
SELECT * FROM students WHERE email LIKE '%@uni.edu';
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
student_id full_name email major
Edit Copy Delete 1 Alice Johnson alice.j@uni.edu Computer Science
Edit Copy Delete 2 Bob Smith bob.smith@uni.edu Business
Edit Copy Delete 3 Clara Oswald clara.os@uni.edu Computer Science
Edit Copy Delete 4 David Brown david.b@uni.edu Engineering
Edit Copy Delete 5 Eva Adams eva.adams@uni.edu Business
Console
Check all With selected: Edit Copy Delete Export

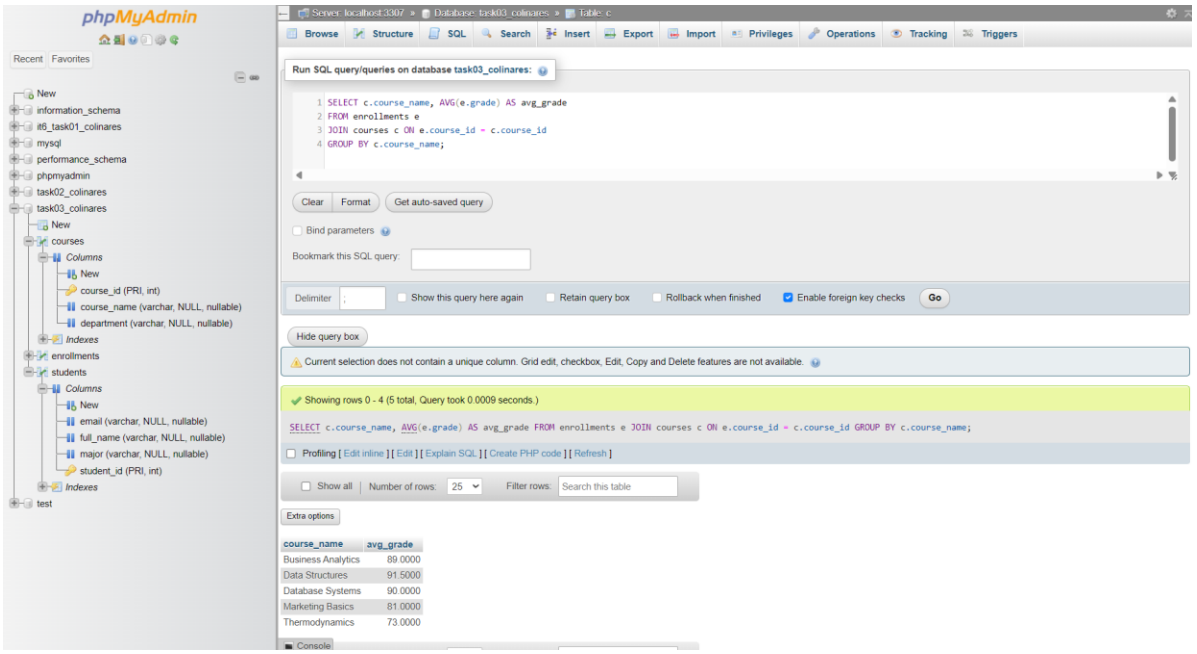
2.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares
Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking More
SELECT s.full_name, c.course_name
FROM Students s
JOIN Enrollments e ON s.student_id = e.student_id
JOIN Courses c ON e.course_id = c.course_id;
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 8 (9 total, Query took 0.0008 seconds.)
SELECT s.full_name, c.course_name FROM Students s JOIN Enrollments e ON s.student_id = e.student_id JOIN Courses c ON e.course_id = c.course_id;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
full_name course_name
Alice Johnson Database Systems
Alice Johnson Data Structures
Bob Smith Marketing Basics
Bob Smith Business Analytics
Clara Oswald Database Systems
Clara Oswald Data Structures
David Brown Thermodynamics
Eva Adams Marketing Basics
Eva Adams Business Analytics
Console

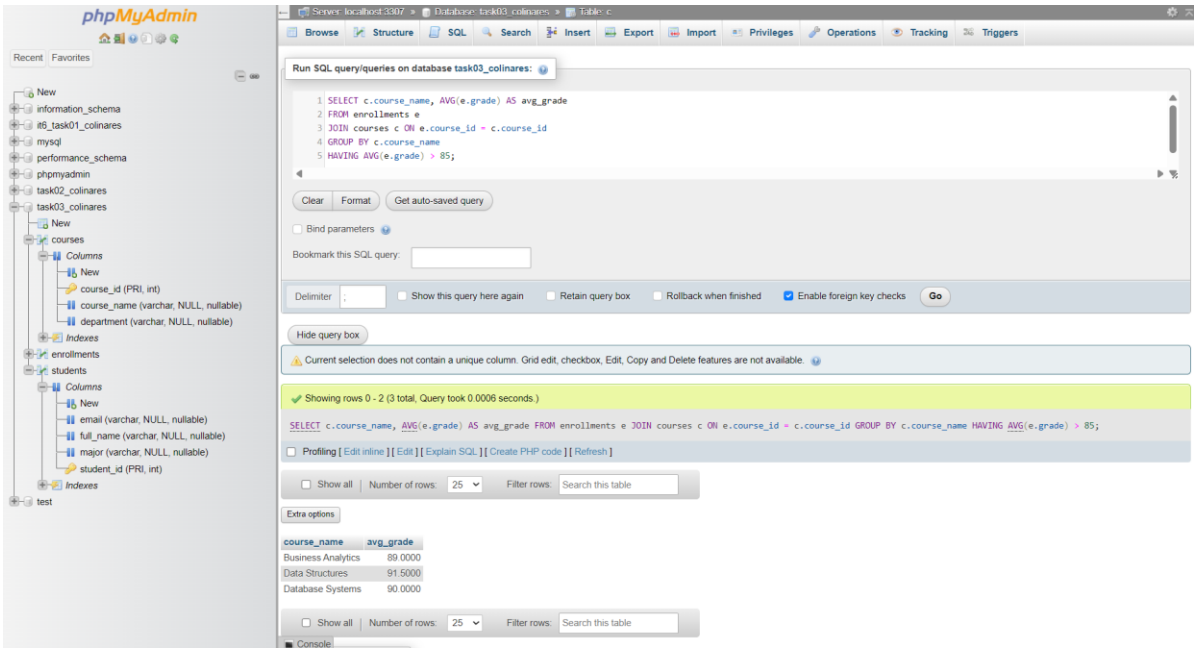
3.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares
Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking Designer
Run SQL query/queries on database task03_colinares:
SELECT s.full_name, c.course_name
FROM students s
JOIN enrollments e ON s.student_id = e.student_id
JOIN courses c ON e.course_id = c.course_id
WHERE s.major = 'Computer Science';
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 3 (4 total, Query took 0.0007 seconds.)
SELECT s.full_name, c.course_name FROM students s JOIN enrollments e ON s.student_id = e.student_id JOIN courses c ON e.course_id = c.course_id WHERE s.major = 'Computer Science';
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
full_name course_name
Alice Johnson Database Systems
Alice Johnson Data Structures
Clara Oswald Database Systems
Clara Oswald Data Structures
Console
Recent Favorites
New
information_schema
it6_task01_colinares
mysql
performance_schema
phpmyadmin
task02_colinares
task03_colinares
New
courses
Columns
New
course_id (PRI, int)
course_name (varchar, NULL, nullable)
department (varchar, NULL, nullable)
Indexes
enrollments
students
Columns
New
email (varchar, NULL, nullable)
full_name (varchar, NULL, nullable)
major (varchar, NULL, nullable)
student_id (PRI, int)
Indexes
test

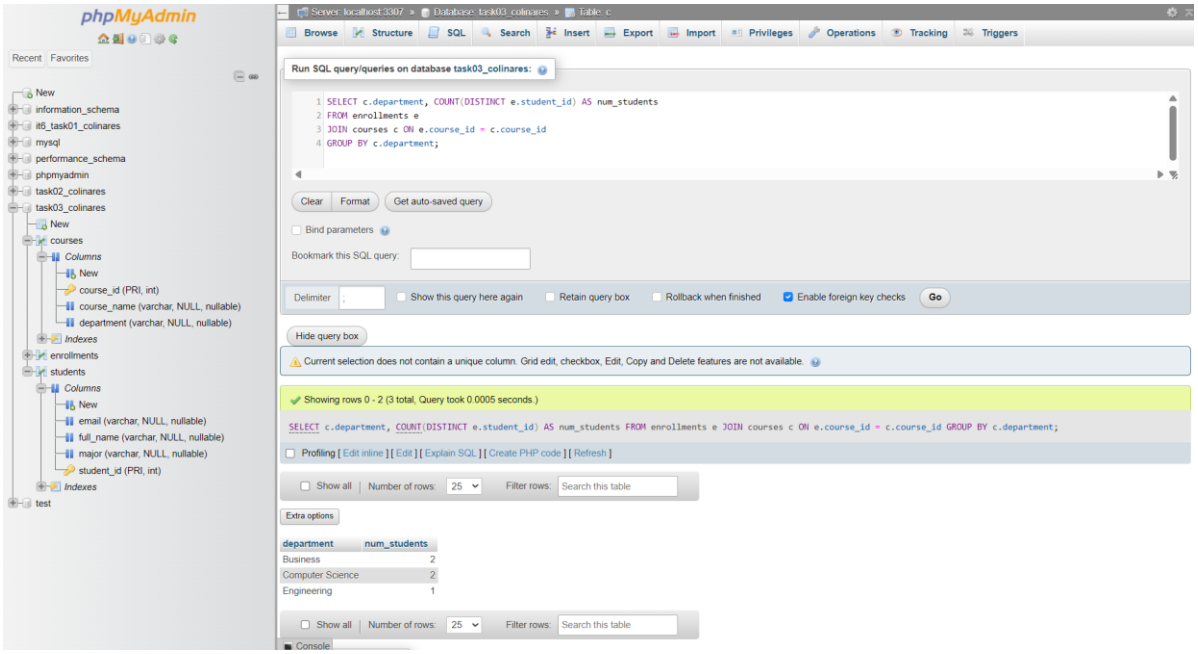
4.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: c
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT c.course_name, AVG(e.grade) AS avg_grade
FROM enrollments e
JOIN courses c ON e.course_id = c.course_id
GROUP BY c.course_name;
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 4 (5 total, Query took 0.0009 seconds.)
SELECT c.course_name, AVG(e.grade) AS avg_grade FROM enrollments e JOIN courses c ON e.course_id = c.course_id GROUP BY c.course_name;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
course_name avg_grade
Business Analytics 89.0000
Data Structures 91.5000
Database Systems 90.0000
Marketing Basics 81.0000
Thermodynamics 73.0000
Console
Recent Favorites
New
information_schema
it6_task01_colinares
mysql
performance_schema
phpmyadmin
task02_colinares
task03_colinares
New
courses
Columns
New
course_id (PRI, int)
course_name (varchar, NULL, nullable)
department (varchar, NULL, nullable)
Indexes
enrollments
students
Columns
New
email (varchar, NULL, nullable)
full_name (varchar, NULL, nullable)
major (varchar, NULL, nullable)
student_id (PRI, int)
Indexes
test

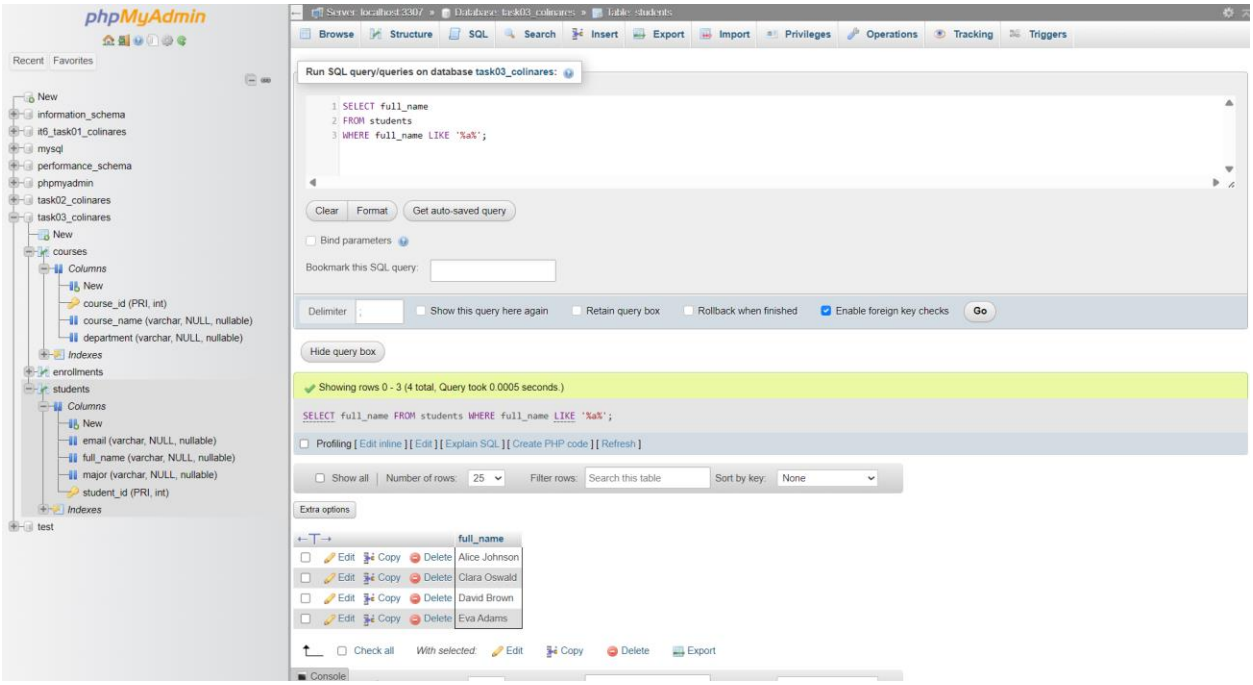
5.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: c
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT c.course_name, AVG(e.grade) AS avg_grade
FROM enrollments e
JOIN courses c ON e.course_id = c.course_id
GROUP BY c.course_name
HAVING AVG(e.grade) > 85;
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 2 (3 total, Query took 0.0006 seconds.)
SELECT c.course_name, AVG(e.grade) AS avg_grade FROM enrollments e JOIN courses c ON e.course_id = c.course_id GROUP BY c.course_name HAVING AVG(e.grade) > 85;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
course_name avg_grade
Business Analytics 89.0000
Data Structures 91.5000
Database Systems 90.0000
Console
Recent Favorites
New
information_schema
it6_task01_colinares
mysql
performance_schema
phpmyadmin
task02_colinares
task03_colinares
New
courses
Columns
New
course_id (PRI, int)
course_name (varchar, NULL, nullable)
department (varchar, NULL, nullable)
Indexes
enrollments
students
Columns
New
email (varchar, NULL, nullable)
full_name (varchar, NULL, nullable)
major (varchar, NULL, nullable)
student_id (PRI, int)
Indexes
test

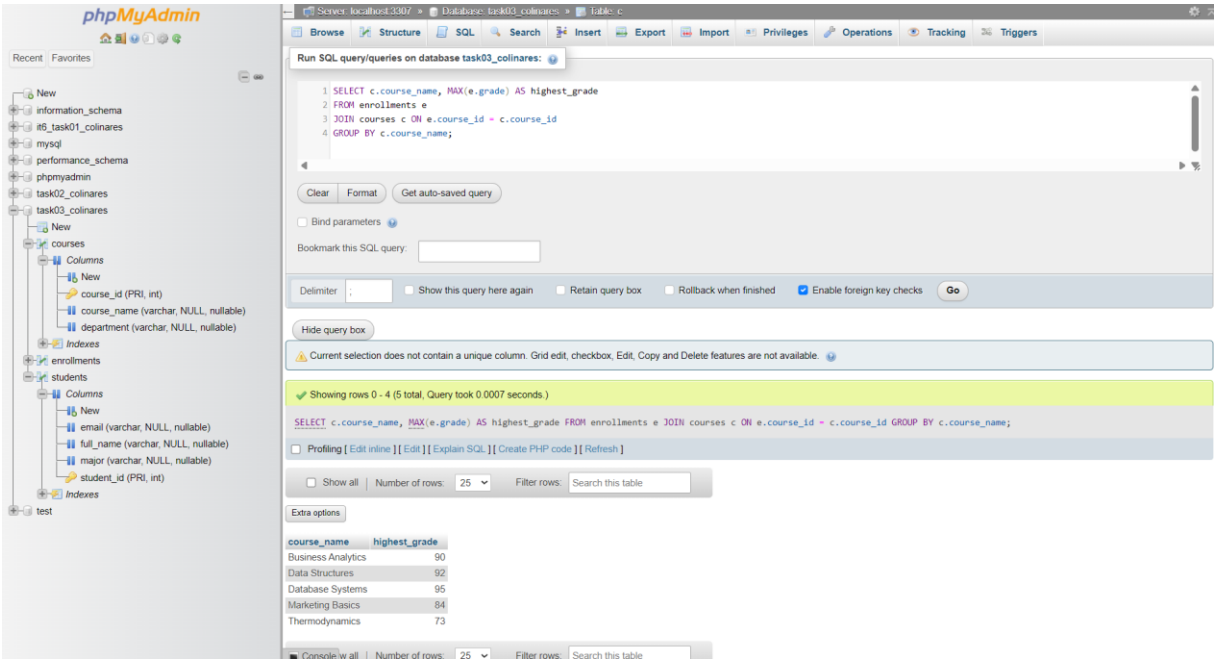
6.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: c
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT c.department, COUNT(DISTINCT e.student_id) AS num_students
FROM enrollments e
JOIN courses c ON e.course_id = c.course_id
GROUP BY c.department;
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)
SELECT c.department, COUNT(DISTINCT e.student_id) AS num_students FROM enrollments e JOIN courses c ON e.course_id = c.course_id GROUP BY c.department;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
department num_students
Business 2
Computer Science 2
Engineering 1
Console
Recent Favorites
New
information_schema
it6_task01_colinares
mysql
performance_schema
phpmyadmin
task02_colinares
task03_colinares
New
courses
Columns
New
course_id (PRI, int)
course_name (varchar, NULL, nullable)
department (varchar, NULL, nullable)
Indexes
enrollments
students
Columns
New
email (varchar, NULL, nullable)
full_name (varchar, NULL, nullable)
major (varchar, NULL, nullable)
student_id (PRI, int)
Indexes
test

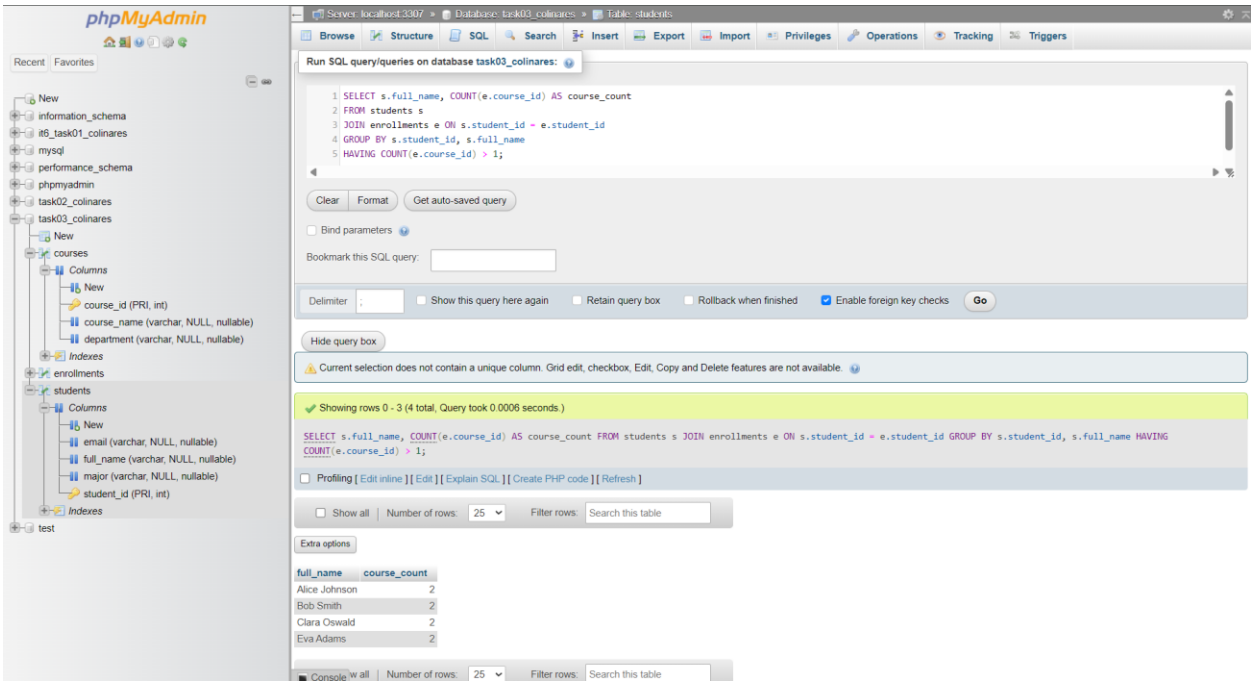
7.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: students
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT full_name
FROM students
WHERE full_name LIKE '%a%';
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter ; Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)
SELECT full_name FROM students WHERE full_name LIKE '%a%';
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table Sort by key: None
Extra options
full_name
Edit Copy Delete Alice Johnson
Edit Copy Delete Clara Oswald
Edit Copy Delete David Brown
Edit Copy Delete Eva Adams
Check all With selected: Edit Copy Delete Export
Console
Recent Favorites
New
information_schema
it6_task01_colinares
mysql
performance_schema
phpmyadmin
task02_colinares
task03_colinares
New
courses
Columns
New
course_id (PRI, int)
course_name (varchar, NULL, nullable)
department (varchar, NULL, nullable)
Indexes
enrollments
students
Columns
New
email (varchar, NULL, nullable)
full_name (varchar, NULL, nullable)
major (varchar, NULL, nullable)
student_id (PRI, int)
Indexes
test

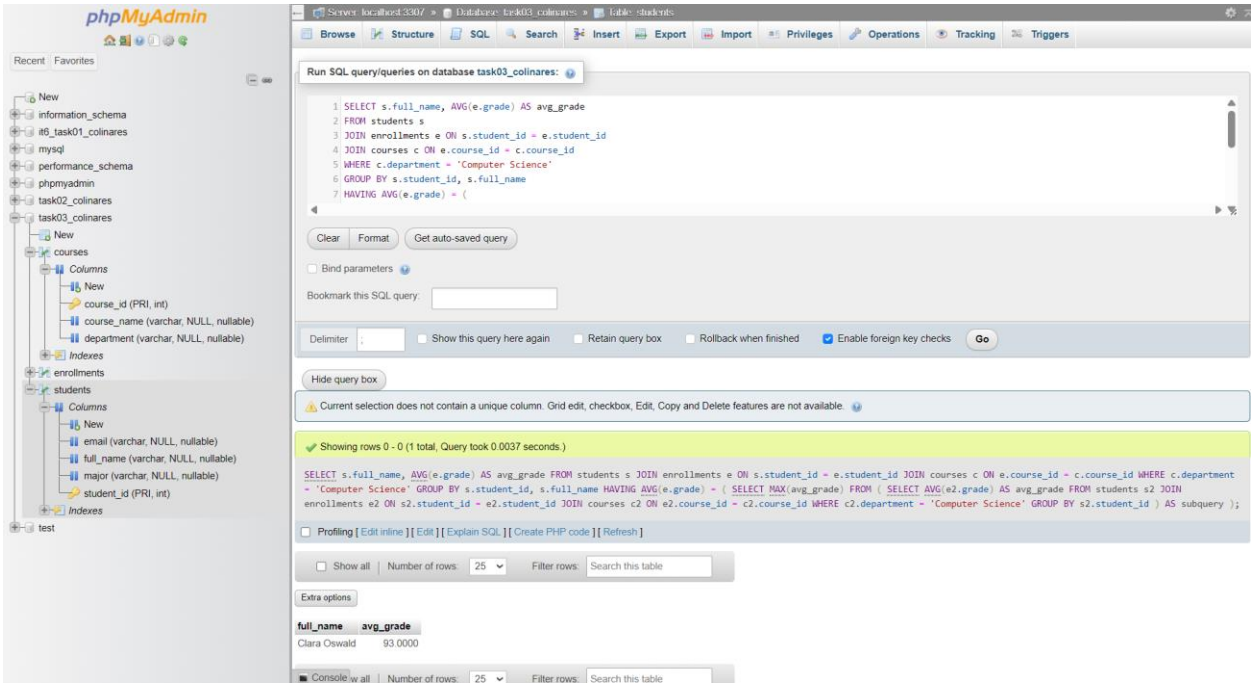
8.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: c
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT c.course_name, MAX(e.grade) AS highest_grade
FROM enrollments e
JOIN courses c ON e.course_id = c.course_id
GROUP BY c.course_name;
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter ; Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 4 (5 total, Query took 0.0007 seconds.)
SELECT c.course_name, MAX(e.grade) AS highest_grade FROM enrollments e JOIN courses c ON e.course_id = c.course_id GROUP BY c.course_name;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
course_name highest_grade
Business Analytics 90
Data Structures 92
Database Systems 95
Marketing Basics 84
Thermodynamics 73
Console
Recent Favorites
New
information_schema
it6_task01_colinares
mysql
performance_schema
phpmyadmin
task02_colinares
task03_colinares
New
courses
Columns
New
course_id (PRI, int)
course_name (varchar, NULL, nullable)
department (varchar, NULL, nullable)
Indexes
enrollments
students
Columns
New
email (varchar, NULL, nullable)
full_name (varchar, NULL, nullable)
major (varchar, NULL, nullable)
student_id (PRI, int)
Indexes
test

9.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: students
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT s.full_name, COUNT(e.course_id) AS course_count
FROM students s
JOIN enrollments e ON s.student_id = e.student_id
GROUP BY s.student_id, s.full_name
HAVING COUNT(e.course_id) > 1;
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 3 (4 total, Query took 0.0006 seconds.)
SELECT s.full_name, COUNT(e.course_id) AS course_count FROM students s JOIN enrollments e ON s.student_id = e.student_id GROUP BY s.student_id, s.full_name HAVING COUNT(e.course_id) > 1;
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
full_name course_count
Alice Johnson 2
Bob Smith 2
Clara Oswald 2
Eva Adams 2
Console

10.


phpMyAdmin
Server: localhost:3307 » Database: task03_colinares » Table: students
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Run SQL query/queries on database task03_colinares:
SELECT s.full_name, AVG(e.grade) AS avg_grade
FROM students s
JOIN enrollments e ON s.student_id = e.student_id
JOIN courses c ON e.course_id = c.course_id
WHERE c.department = 'Computer Science'
GROUP BY s.student_id, s.full_name
HAVING AVG(e.grade) = (
Clear Format Get auto-saved query
Bind parameters
Bookmark this SQL query:
Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks Go
Hide query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 0 (1 total, Query took 0.0037 seconds.)
SELECT s.full_name, AVG(e.grade) AS avg_grade FROM students s JOIN enrollments e ON s.student_id = e.student_id JOIN courses c ON e.course_id = c.course_id WHERE c.department = 'Computer Science' GROUP BY s.student_id, s.full_name HAVING AVG(e.grade) = (SELECT MAX(avg_grade) FROM (SELECT AVG(e2.grade) AS avg_grade FROM students s2 JOIN enrollments e2 ON s2.student_id = e2.student_id JOIN courses c2 ON e2.course_id = c2.course_id WHERE c2.department = 'Computer Science' GROUP BY s2.student_id) AS subquery);
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all Number of rows: 25 Filter rows: Search this table
Extra options
full_name avg_grade
Clara Oswald 93.0000
Console